



(12) **United States Patent**
Horton et al.

(10) **Patent No.:** **US 9,926,956 B2**
(45) **Date of Patent:** **Mar. 27, 2018**

(54) **DUAL PURPOSE CLAMP FOR SECURING
AFTERTREATMENT HOUSING JOINTS**

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(*) Notice: Subject to any disclaimer, the term of this
patent is extended or adjusted under 35
U.S.C. 154(b) by 156 days.

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(21) Appl. No.: **15/048,311**

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(22) Filed: **Feb. 19, 2016**

The International Search Report and Written Opinion issued in
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(65) **Prior Publication Data**

US 2017/0241455 A1 Aug. 24, 2017

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(51) **Int. Cl.**

B01D 50/00 (2006.01)

F16B 2/08 (2006.01)

F01N 3/20 (2006.01)

B01D 53/94 (2006.01)

F16B 2/06 (2006.01)

(57)

ABSTRACT

An apparatus comprises a housing comprising a housing first portion and a housing second portion. The housing first portion comprises a first joint portion overlapping a second joint portion of the housing second portion so as to form a housing joint. A clamp is positioned on the housing joint and comprises a base portion. A first surface of the base portion is positioned on the housing joint. A plurality of legs extend from the base portion towards the housing each of which are spaced from each other around the housing joint. A plurality of flange segments extend from each side of the base portion away from the housing. A band is positioned on a second surface of the base portion opposite the first surface and around the clamp. The band is positioned between the plurality of flange segments and operatively coupled to the housing via the clamp.

(52) **U.S. Cl.**

CPC **F16B 2/08** (2013.01); **B01D 53/9418**
(2013.01); **F01N 3/2066** (2013.01); **F16B**
2/065 (2013.01); **F01N 2450/20** (2013.01)

(58) **Field of Classification Search**

CPC F01N 3/2066; F01N 2450/20; F01N 3/28;
F01N 2450/02; F16B 2/08; F16B 2/065;
B01D 53/9418

USPC 422/171, 177, 180; 285/364, 365
See application file for complete search history.

25 Claims, 4 Drawing Sheets

